

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - OCEAN GATEWAY TERMINAL - MATERIALS TESTING **Project Number:** 05-0134

Client: REED & REED, INC.

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 9/21/2007 **Time Cast:** 8:33 **Date Received:** 9/24/2007

Placement Location: COLORED SIDEWALKS

Placement Method: BUGGYS

Placement Vol. (yd³): 100

Cylinders Made By: DMR

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143):	Slump WR: 7	Load Number: 6
Air Content (%) (C-231):	Air WR: 7.5	Mixer Number: 83
Air Temp (°F): 60		Ticket Number: 132674
Conc. Temp (°F) (C-1064): 70		Cubic Yards: 10
		Design (psi): 4350

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
561-60A		6.00	28.27	9/28/2007	Lab	7	4	124.5	4400
561-60B		6.00	28.27	10/19/2007	Lab	28	4	159.0	5620
561-60C		6.00	28.27	10/19/2007	Lab	28	4	153.5	5430
561-60D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: